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(71) Applicant (for all designated States except US): **CELL-ZOME AG** [DE/DE]; Meyerhofstrasse 1, 69117 Heidelberg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOPF, Carsten** [DE/DE]; Nietzschestrasse 30, 68165 Mannheim (DE). **DREWES, Gerard** [NL/DE]; Burgstrasse 13, 69121 Heidelberg (DE). **RUFFNER, Heinz** [CH/DE]; Schulstrasse 7, 69245 Bammental (DE).

(74) Agent: **HUHN, Michael**; Isenbruck-Bösl-Hörschler-Wichmann-Huhn, Theodor-Heuss-Anlage 12, 68165 Mannheim (DE).

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(54) Title: TREATMENT OF NEURODEGENERATIVE DISEASES BY THE USE OF GPR49

(57) Abstract: The invention relates to the use of a GPR49-interacting molecule for the preparation of a pharmaceutical composition for the treatment of a neurodegenerative disease. Hereby the GPR49-interacting molecule is preferably an inhibitor of GPR49 and particularly it has the capacity to modulate the activity of gamma-secretase and/or beta-secretase. Furthermore the invention concerns a process for identifying a gamma-secretase and/or a beta-secretase modulator, comprising the following steps: a. identifying of a GPR49-interacting molecule by determining whether a given test compound is a GPR49-interacting molecule, b. determining whether the GPR49-interacting molecule of step a) is capable of modulating gamma-secretase and/or beta-secretase activity.



WO 2005/074980 A1

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